Medium-Mu Twin Triode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater Characteristics and Ratings:

	Series	Parallel	
Heater-section arrangement			
Voltage (AC or DC)	40.0 ± 2.0	20.0 ± 1.0	volts
Current	0.050[a]	0.100[b]	amp
Peak heater-cathode voltage (Each unit):			
Heater negative with respect to cathode	100 max.		volts
Heater positive with respect to cathode	100 max.		volts

Direct Interelectrode Capacitances:[c]

Grid to plate (Each unit)	1.1	pf
Grid to cathode, internal shield, and heater (Each unit)	2.2	pf
Plate to cathode, internal shield, and heater (Each unit)	1.0	pf
Plate to plate	0.1 max.	pf

Characteristics, Class A_1 Amplifier (Each Unit):

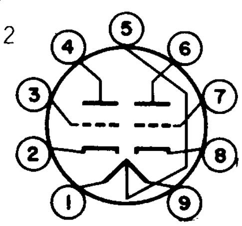
Plate Supply Voltage	150	volts
Cathode Resistor	240	ohms
Amplification Factor	35	
Plate Resistance (Approx.)	6350	ohms
Transconductance	5500	μmhos
Plate Current	8.2	ma
Grid Voltage for maximum plate μa =45	−10	volts

Mechanical:

Operating Position	Any
Type of Cathodes	Coated Unipotential
Maximum Overall Length	1-3/4"
Maximum Seated Length	1-1/2"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/8" ± 3/32"
Diameter	0.750" to 0.875"
Dimensional Outline	See *General Section*
Bulb	T6-1/2
Base	Small-Button Noval 9-Pin (JEDEC No.E9-1)

BOTTOM VIEW

Pins 1&5 – Heater of Unit No.2
Pin 2 – Cathode of Unit No.2
Pin 3 – Grid of Unit No.2
Pin 4 – Plate of Unit No.2
Pin 5 – Heater Tap, Internal Shield



Pin 6 – Plate of Unit No.1
Pin 7 – Grid of Unit No.1
Pin 8 – Cathode of Unit No.1
Pins 9&5 – Heater of Unit No.1

AMPLIFIER — Class A_1

Values are for Each Unit

Maximum Ratings, *Absolute-Maximum Values:*

PLATE VOLTAGE	330 max.	volts
GRID VOLTAGE:		
Negative-bias value	55 max.	volts
Positive-bias value	0 max.	volts
CATHODE CURRENT	18 max.	ma
GRID CURRENT	3 max.	ma
PLATE DISSIPATION	1.35 max.	watts

Maximum Circuit Values:

Grid-Circuit Resistance	0.5 max.	megohm

[a] At heater volts = 40.0.
[b] At heater volts = 20.0.
[c] Without external shield.